

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062810.D
 Acq On : 21 Jun 2019 12:26
 Operator : VA/AP
 Sample : K3159-05RE
 Misc : 7.35g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-ARE

Quant Time: Jun 22 04:12:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	31430	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	42574	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	36819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	19498	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	33941	99.35	ug/l	0.01
Spiked Amount 50.000			Recovery =	198.70%		
35) Dibromofluoromethane	6.94	113	24850	69.22	ug/l	0.01
Spiked Amount 50.000			Recovery =	138.44%		
50) Toluene-d8	10.43	98	38440	49.20	ug/l	0.01
Spiked Amount 50.000			Recovery =	98.40%		
62) 4-Bromofluorobenzene	13.57	95	21210	59.70	ug/l	0.01
Spiked Amount 50.000			Recovery =	119.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	691	2.259	ug/l #	45
5) Bromomethane	2.21	94	2419	17.032	ug/l #	13
6) Chloroethane	2.24	64	297	2.163	ug/l #	46
8) Diethyl Ether	2.89	74	415	5.322	ug/l #	48
10) Methyl Iodide	3.33	142	1010	2.302	ug/l #	72
13) Acrolein	3.03	56	190	11.961	ug/l #	15
15) Acrylonitrile	4.24	53	324	8.862	ug/l #	11
16) Acetone	3.24	43	2384	28.204	ug/l #	64
20) Methylene Chloride	3.82	84	624	2.395	ug/l #	5
25) 2-Butanone	6.15	43	416	6.510	ug/l #	64
29) Tetrahydrofuran	6.72	42	202	6.682	ug/l #	33
36) 1,1-Dichloropropene	7.06	75	1967	4.881	ug/l #	46
37) Ethyl Acetate	6.15	43	416	1.386	ug/l #	69
39) Methylcyclohexane	8.89	83	460	1.297	ug/l #	11
51) 4-Methyl-2-Pentanone	10.32	43	261	1.742	ug/l #	41
55) 1,1,2-Trichloroethane	11.21	97	233	1.247	ug/l #	14
56) Ethyl methacrylate	11.13	69	209	1.047	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.89	63	560	5.463	ug/l #	47
59) 2-Hexanone	11.55	43	687	6.439	ug/l #	31
68) m/p-Xylenes	12.68	106	467	1.093	ug/l #	43
77) Bromobenzene	13.68	156	372	1.106	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.94	105	1286	1.225	ug/l #	74
81) trans-1,4-Dichloro-2-buten	13.57	75	9129	154.748	ug/l #	2
82) 4-Chlorotoluene	13.96	91	1568	1.566	ug/l #	43
84) 1,2,4-Trimethylbenzene	14.25	105	2471	2.296	ug/l #	97
87) 1,3-Dichlorobenzene	14.46	146	732	1.214	ug/l #	72
88) 1,4-Dichlorobenzene	14.46	146	732	1.209	ug/l #	77
91) 1,2-Dichlorobenzene	14.82	146	766	1.485	ug/l #	46
92) 1,2-Dibromo-3-Chloropropan	15.39	75	197	4.955	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.96	180	1250	3.103	ug/l #	88
95) Naphthalene	16.14	128	4305	7.624	ug/l #	91
96) 1,2,3-Trichlorobenzene	16.27	180	1676	5.415	ug/l #	69

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

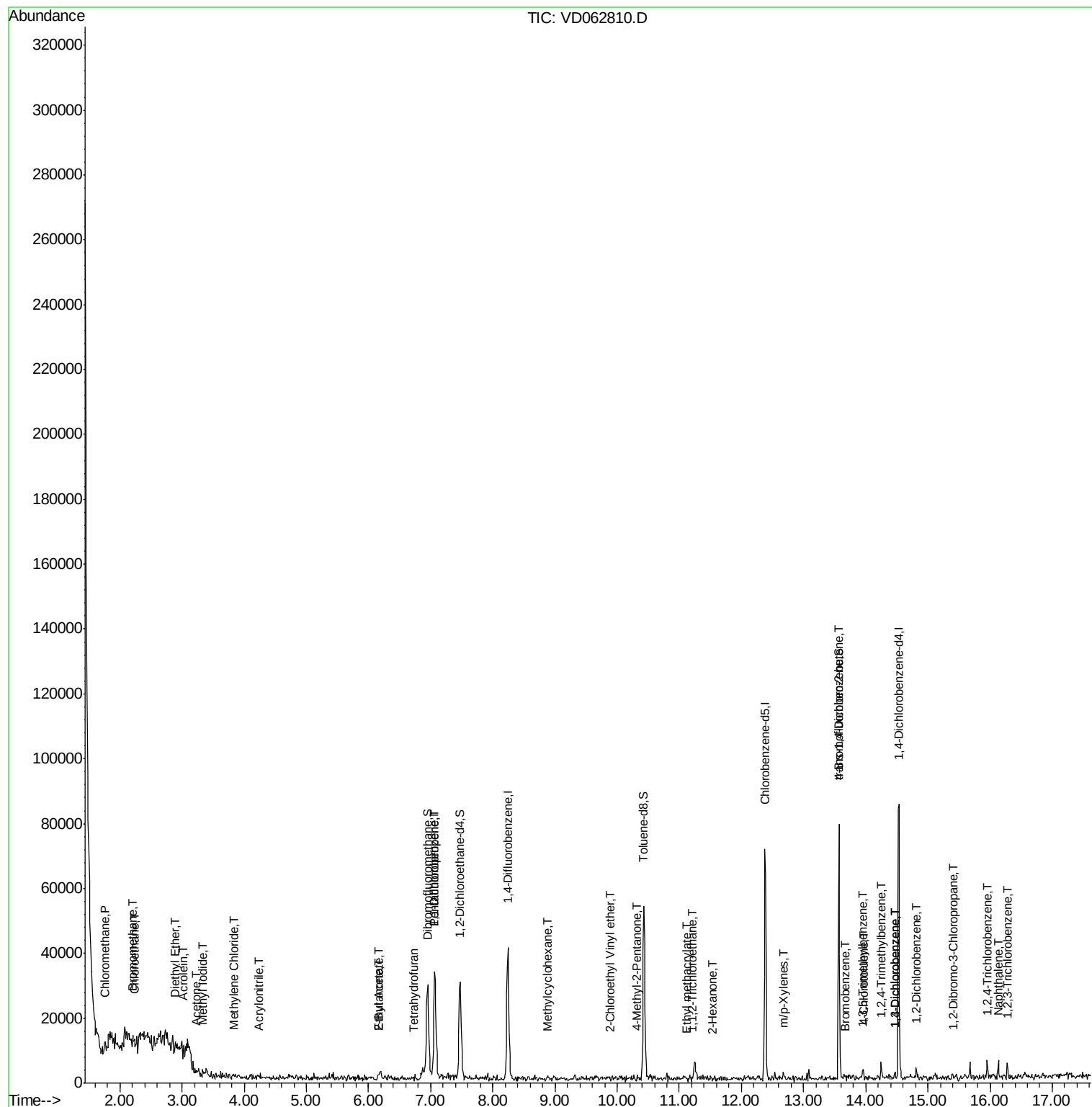
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

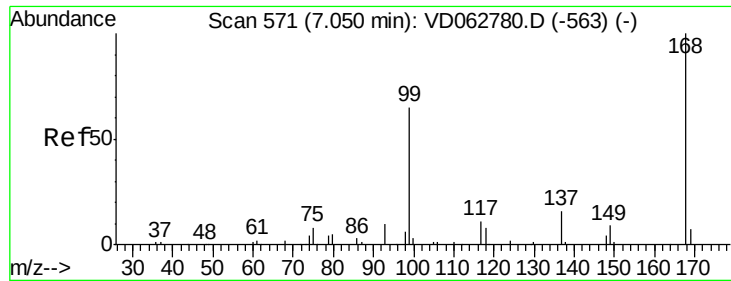
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

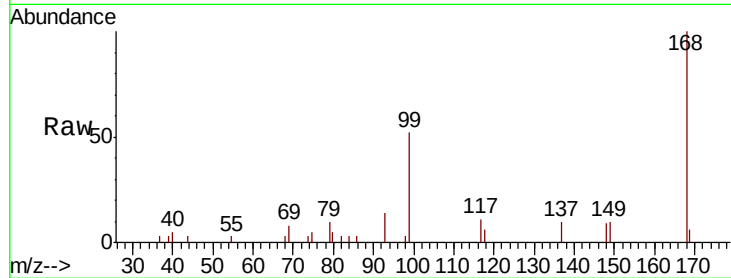
OR-02-061919-ARE

Tot Ion:168 Resp: 31430

Ion Ratio Lower Upper

168 100

99 51.5 53.0 79.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

12000

10000

8000

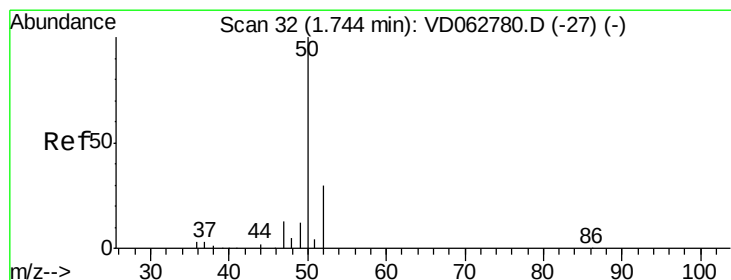
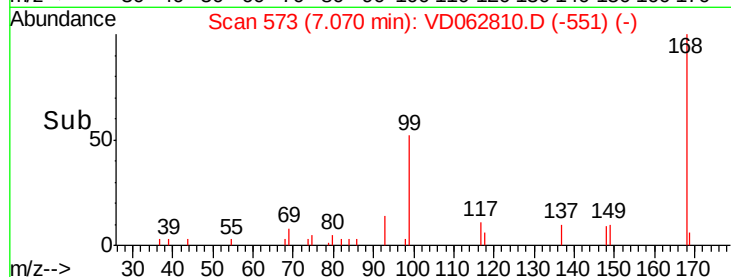
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: 2.259 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062810.D

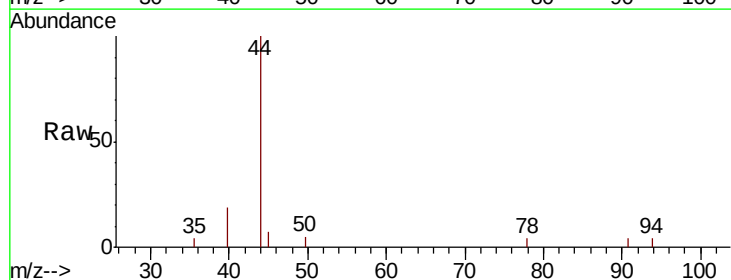
Acq: 21 Jun 2019 12:26

Tgt Ion: 50 Resp: 691

Ion Ratio Lower Upper

50 100

52 0.0 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

500

400

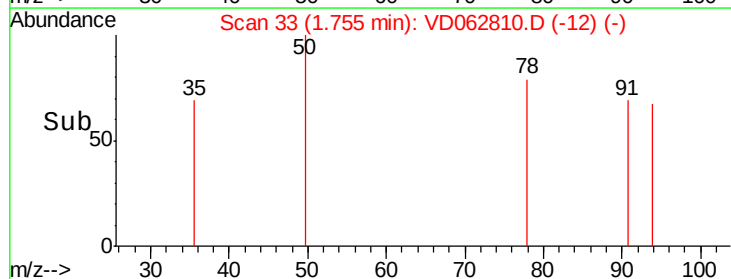
300

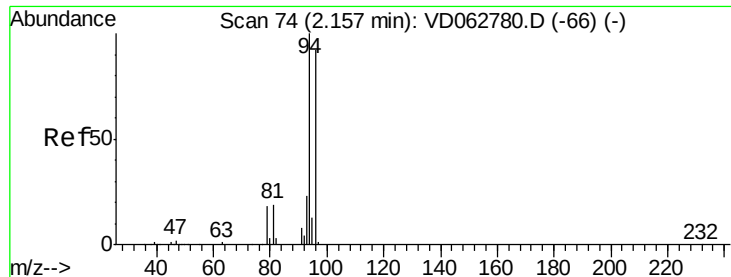
200

100

0

Time-->





#5

Bromomethane

Concen: 17.032 ug/l

RT: 2.21 min Scan# 79

Delta R.T. 0.05 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

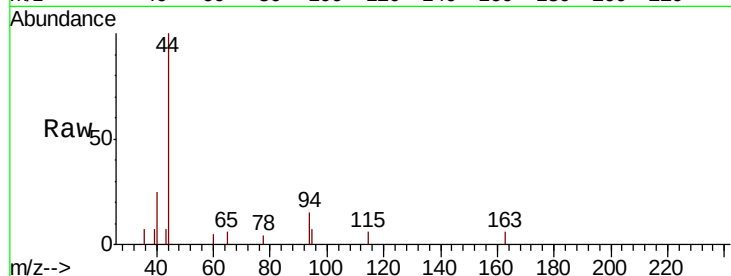
Tot Ion: 94 Resp: 2419

Ion Ratio Lower Upper

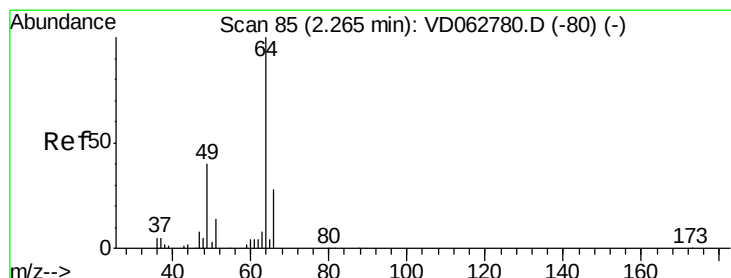
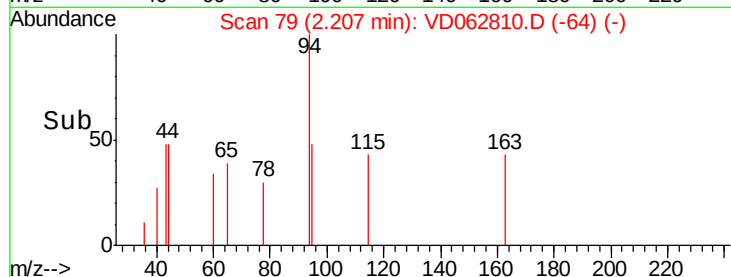
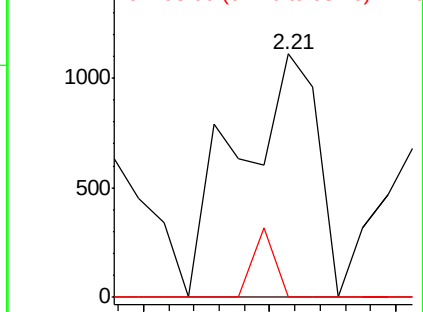
94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 2.163 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD062810.D

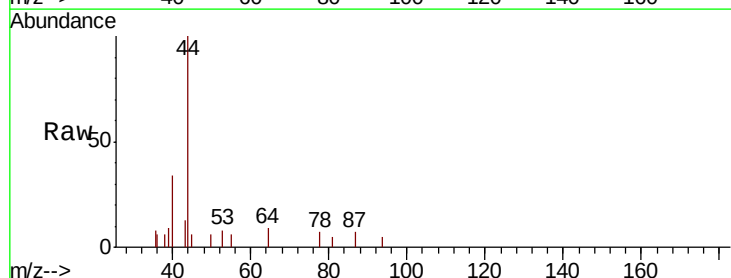
Acq: 21 Jun 2019 12:26

Tgt Ion: 64 Resp: 297

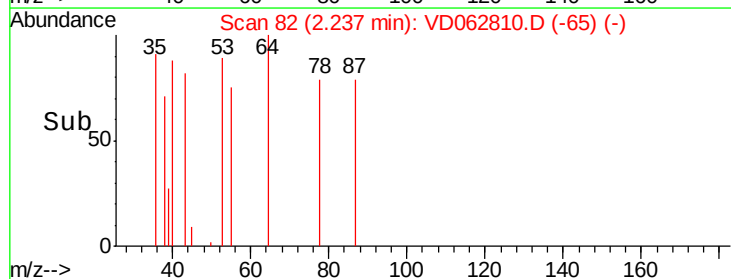
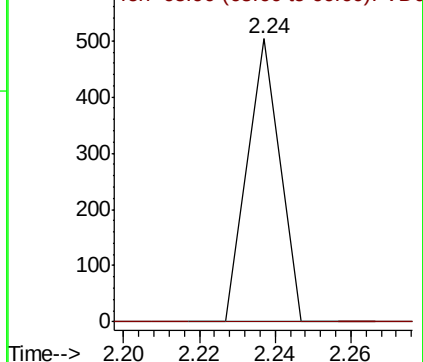
Ion Ratio Lower Upper

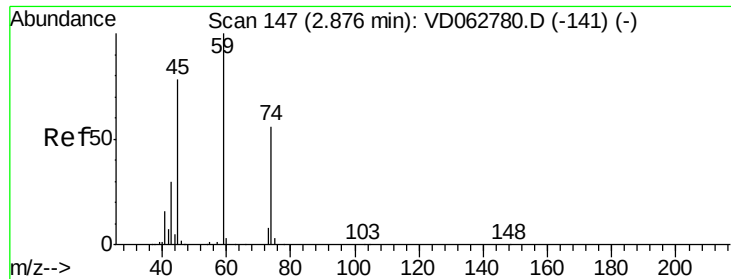
64 100

66 0.0 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 5.322 ug/l

RT: 2.89 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

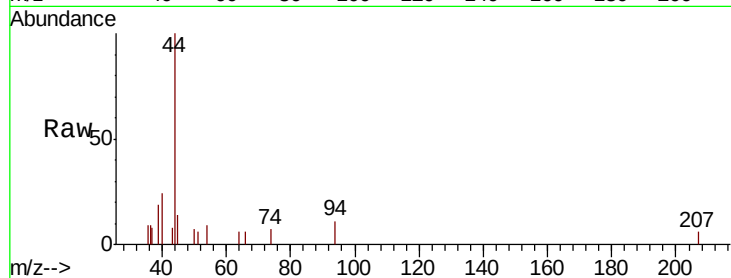
OR-02-061919-ARE

Tot Ion: 74 Resp: 415

Ion Ratio Lower Upper

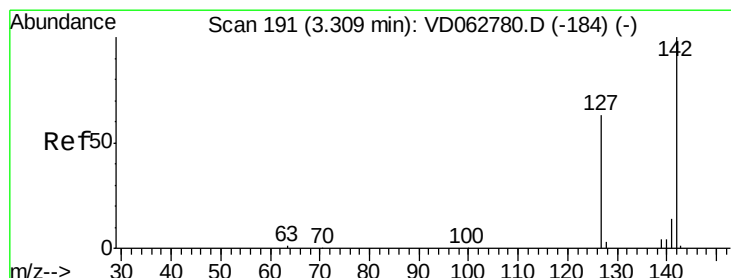
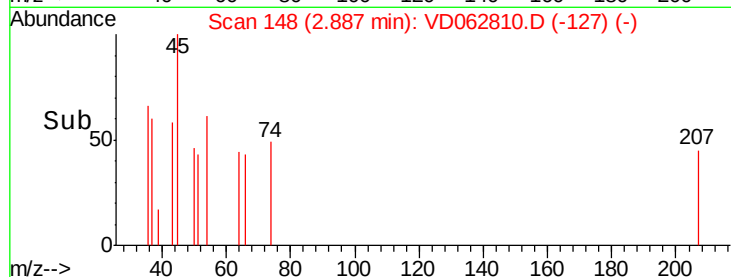
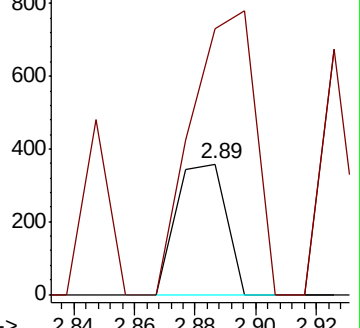
74 100

45 204.2 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 2.302 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

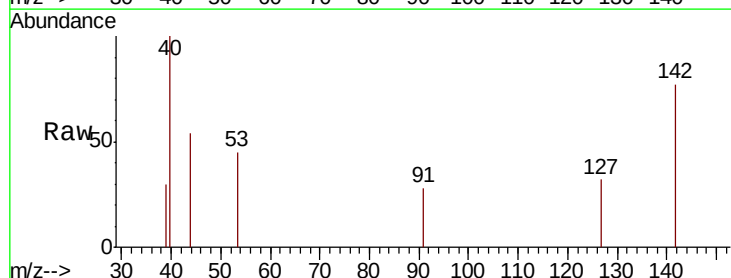
Tgt Ion: 142 Resp: 1010

Ion Ratio Lower Upper

142 100

127 41.7 50.1 75.1#

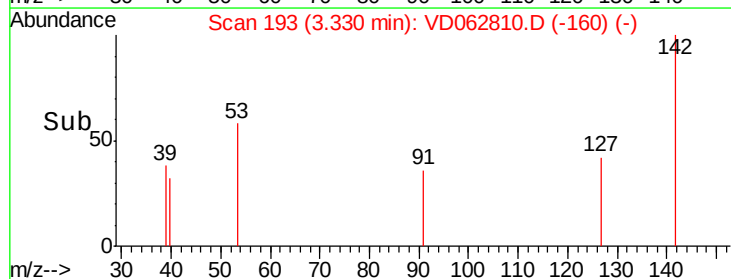
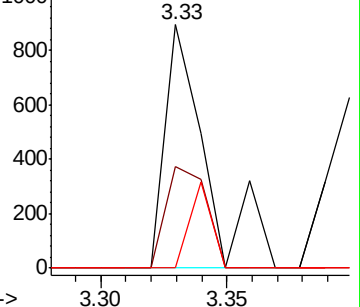
141 0.0 11.0 16.4#

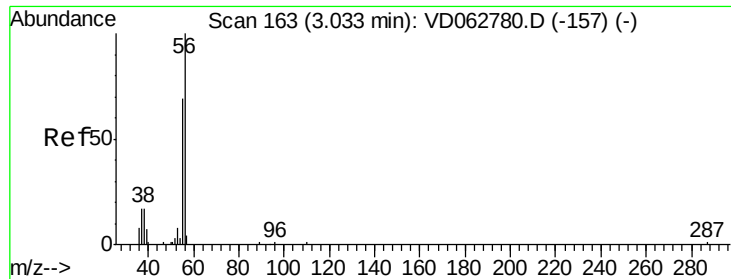


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#13

Acrolein

Concen: 11.961 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

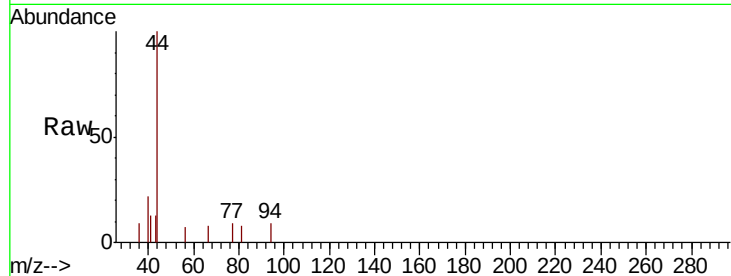
OR-02-061919-ARE

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

600

500

400

300

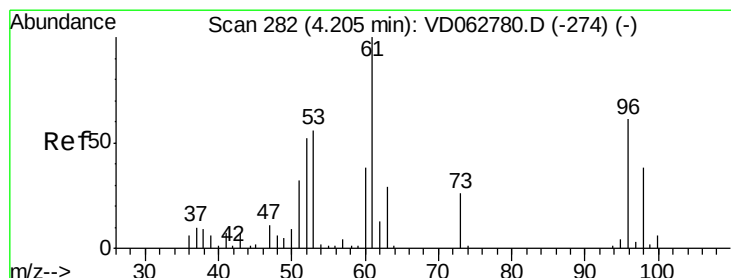
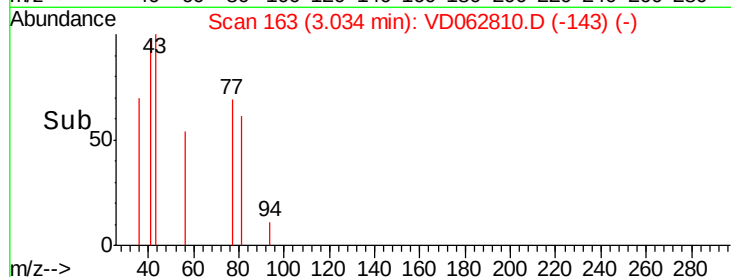
200

100

0

3.00 3.02 3.04 3.06

Time-->



#15

Acrylonitrile

Concen: 8.862 ug/l

RT: 4.24 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

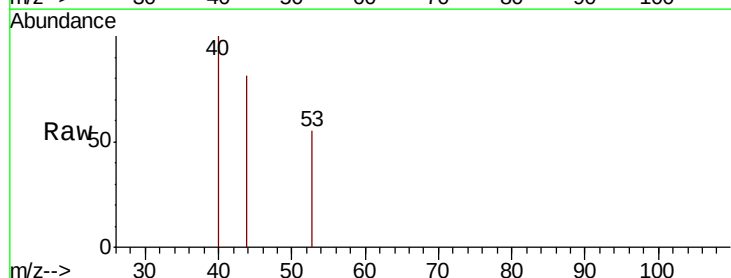
Tgt Ion: 53 Resp: 324

Ion Ratio Lower Upper

53 100

52 0.0 73.3 109.9#

51 0.0 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

600

500

400

300

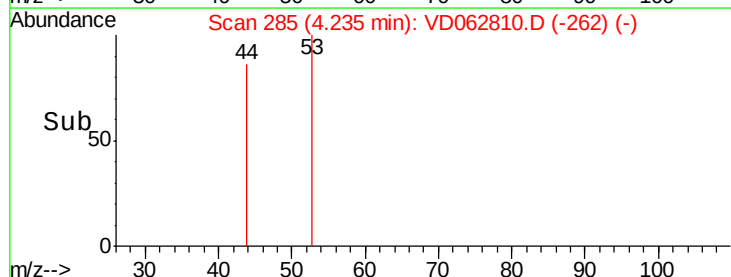
200

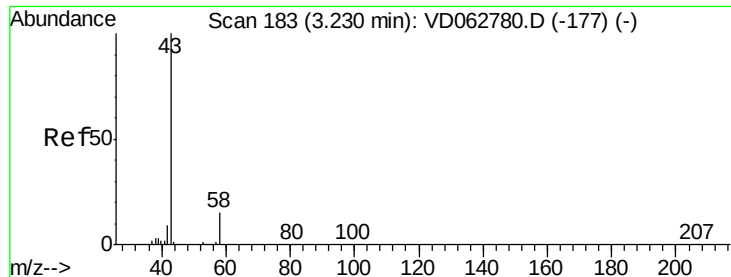
100

0

4.20 4.22 4.24 4.26

Time-->





#16

Acetone

Concen: 28.204 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

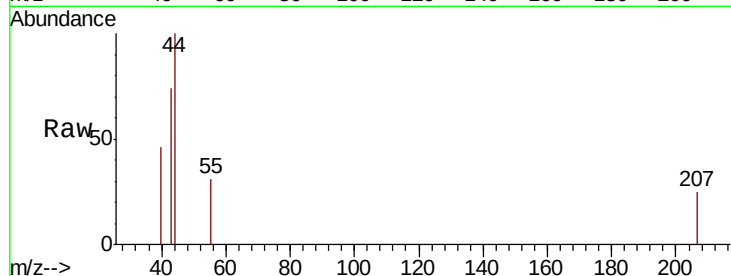
OR-02-061919-ARE

Tot Ion: 43 Resp: 2384

Ion Ratio Lower Upper

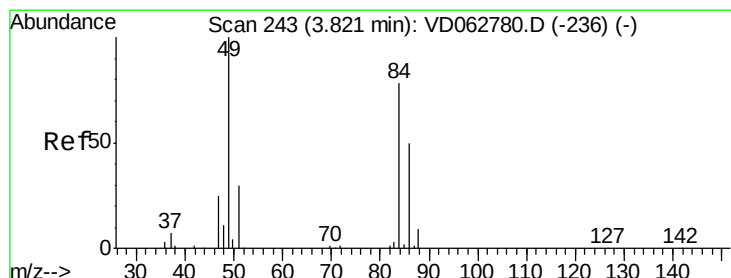
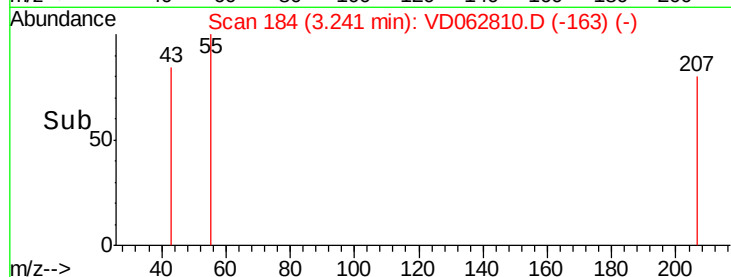
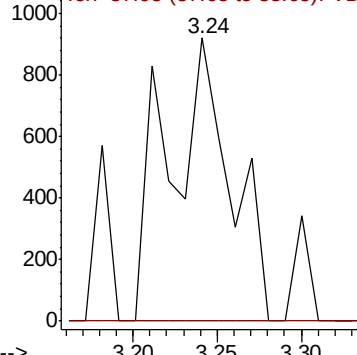
43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.395 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Tgt Ion: 84 Resp: 624

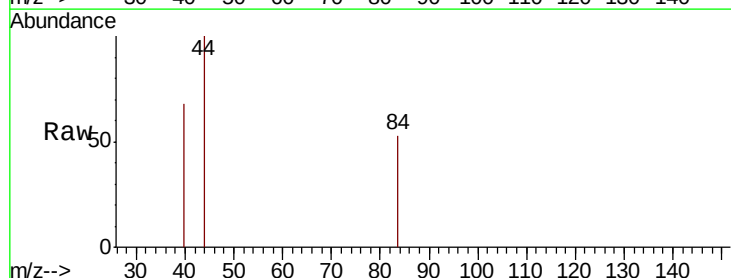
Ion Ratio Lower Upper

84 100

49 0.0 102.9 154.3#

51 0.0 31.2 46.8#

86 0.0 51.4 77.2#

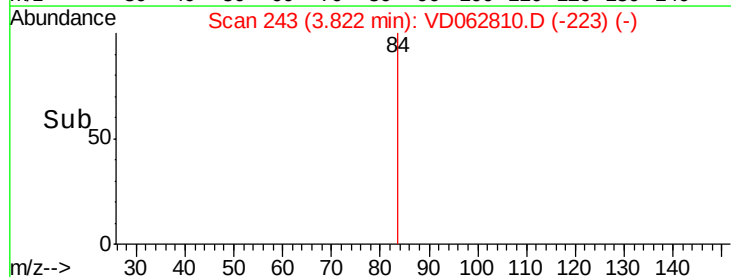
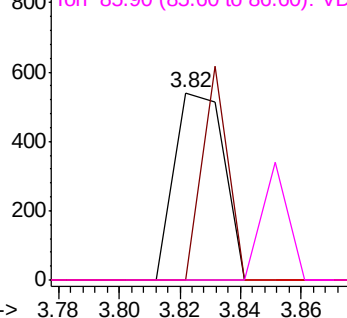


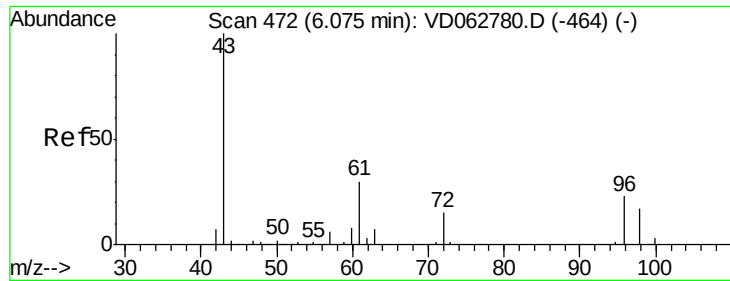
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 6.510 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.08 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

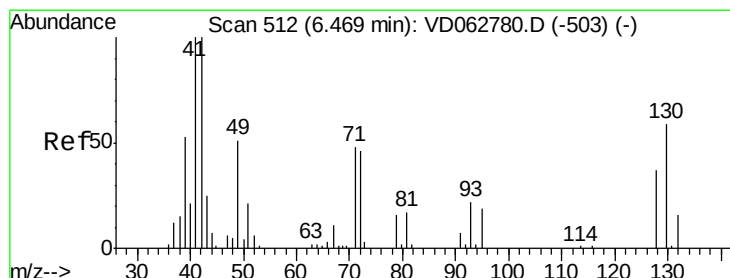
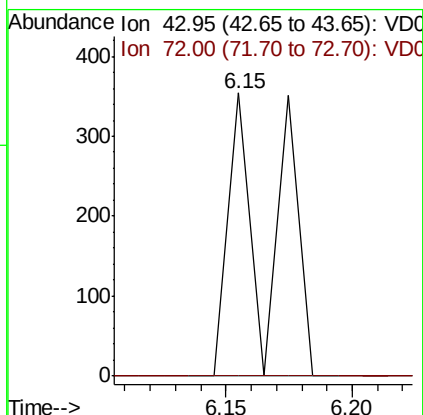
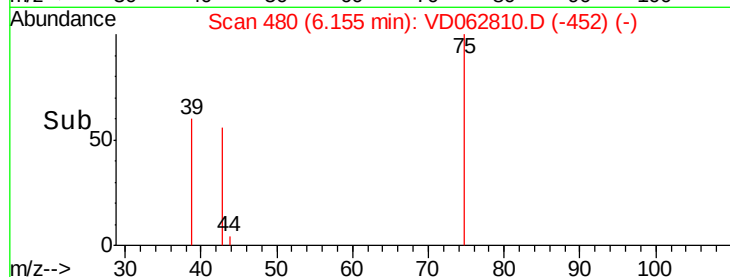
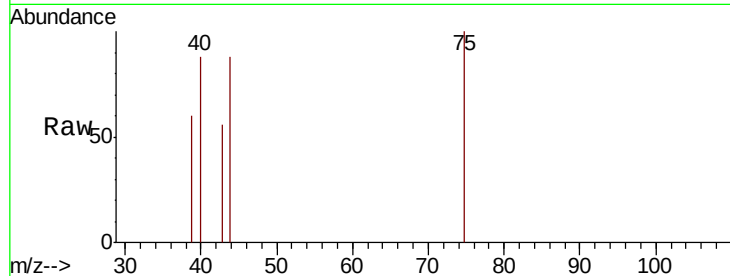
OR-02-061919-ARE

Tot Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

72 0.0 11.9 17.9#



#29

Tetrahydrofuran

Concen: 6.682 ug/l

RT: 6.72 min Scan# 537

Delta R.T. 0.25 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

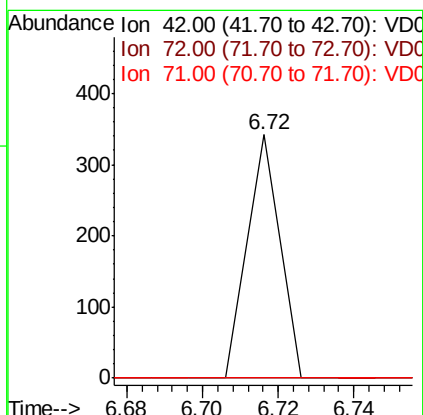
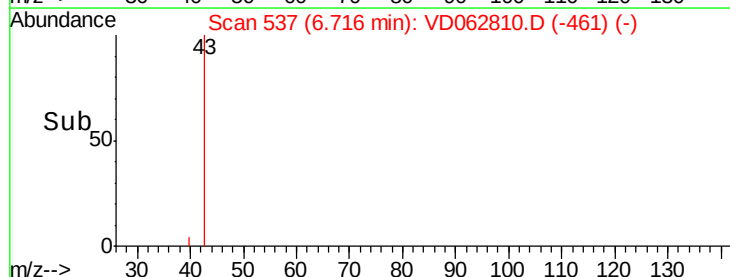
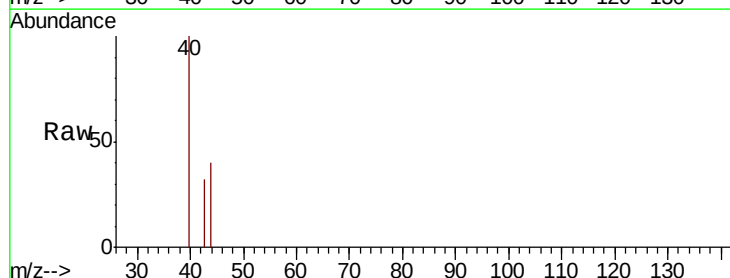
Tgt Ion: 42 Resp: 202

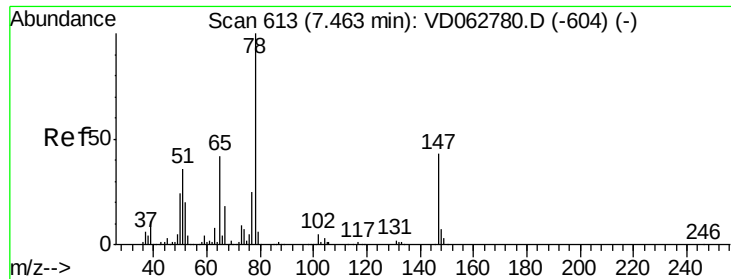
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#

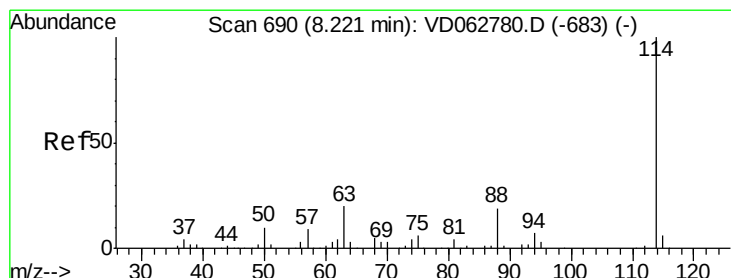
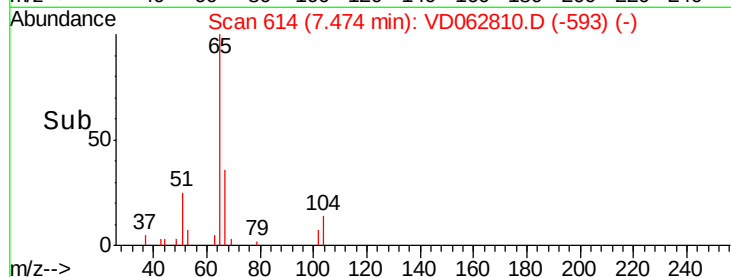
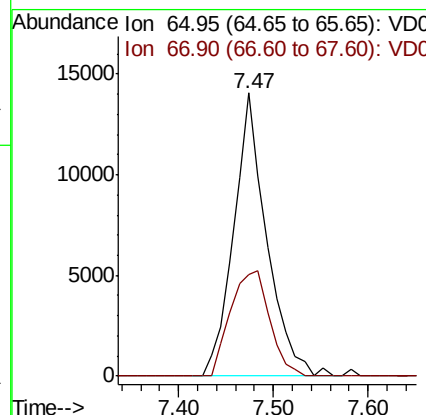
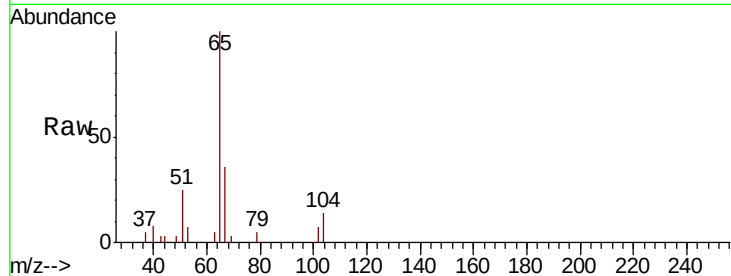




#33
 1,2-Dichloroethane-d4
 Concen: 99.347 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

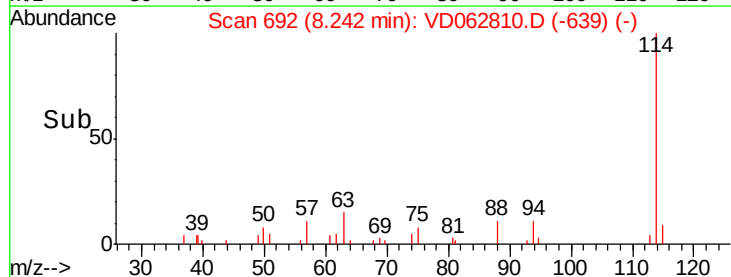
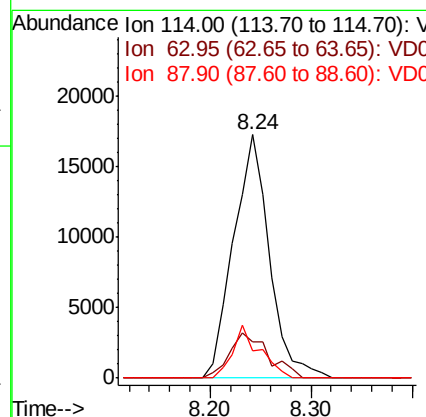
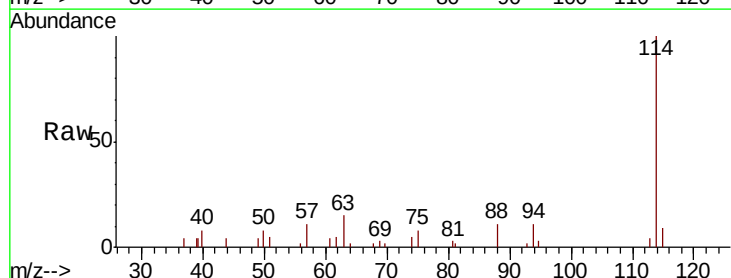
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-ARE

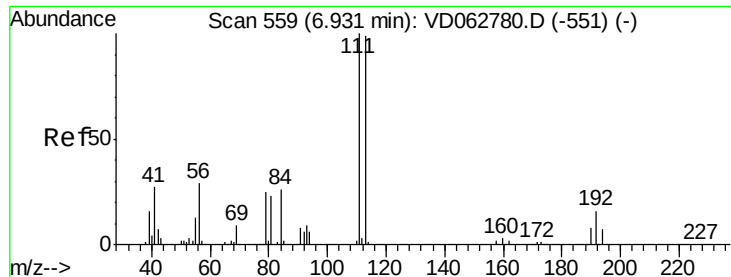
Tot Ion: 65 Resp: 33941
 Ion Ratio Lower Upper
 65 100
 67 36.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

Tgt Ion: 114 Resp: 42574
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 40.0
 88 11.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 69.223 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

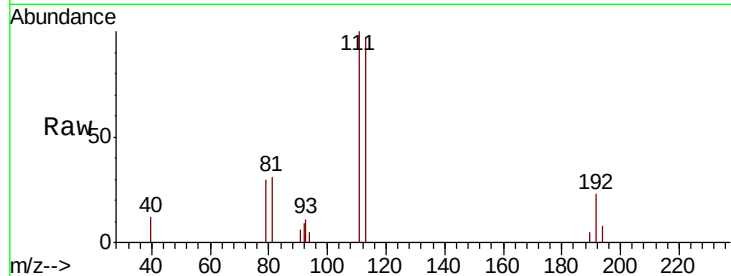
Tot Ion:113 Resp: 24850

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

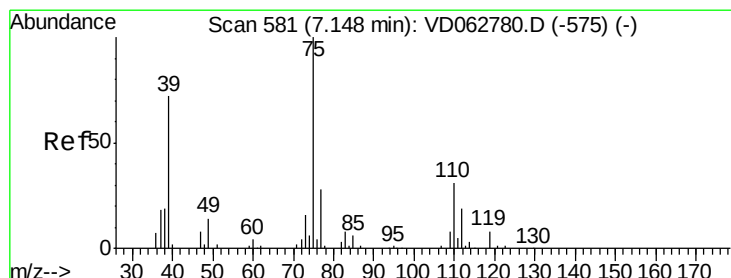
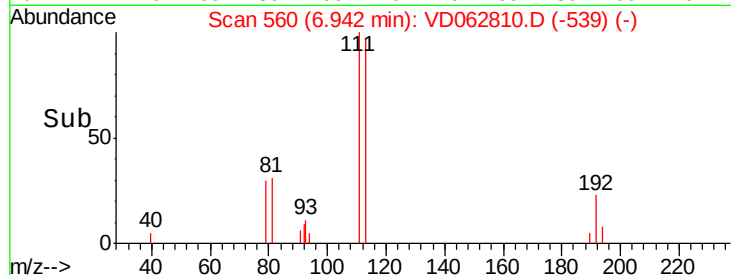
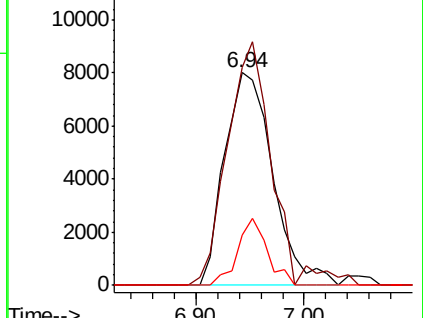
192 23.4 12.9 19.3#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

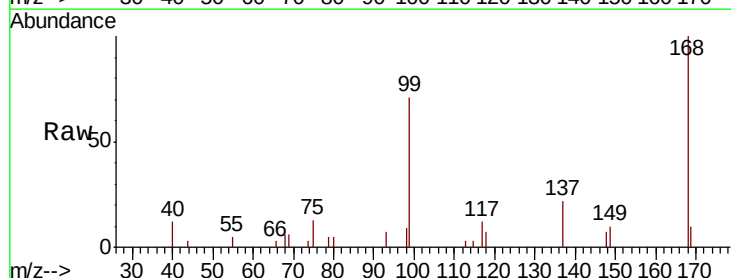
Tgt Ion: 75 Resp: 1967

Ion Ratio Lower Upper

75 100

110 0.0 15.0 45.1#

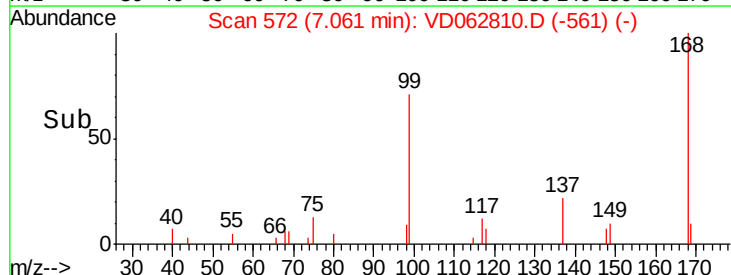
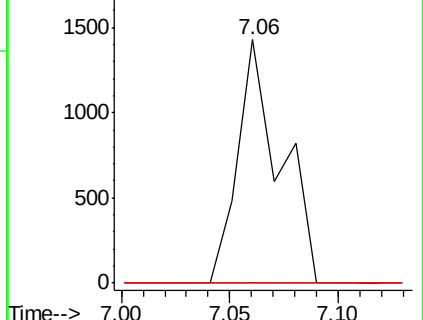
77 0.0 22.2 33.2#

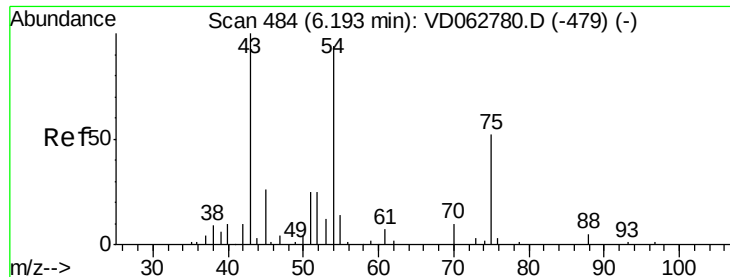


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

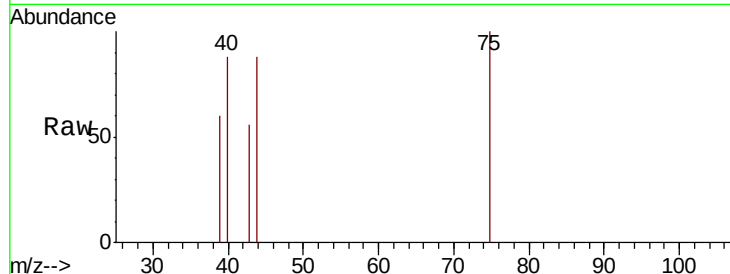




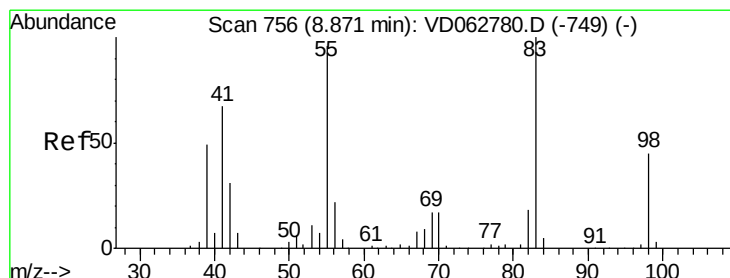
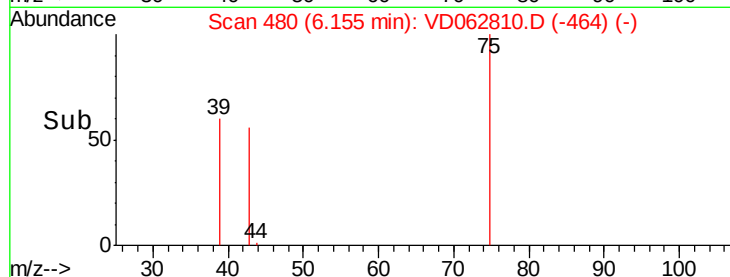
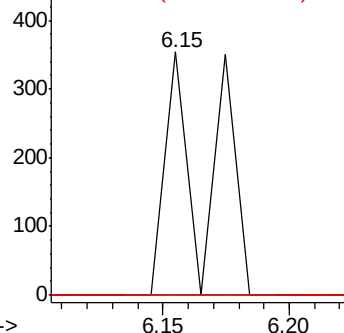
#37
Ethyl Acetate
Concen: 1.386 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-ARE

Tot Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#

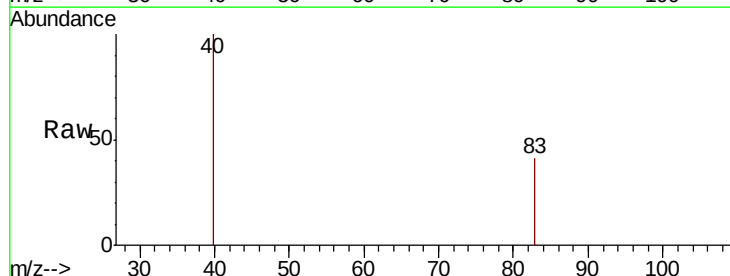


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

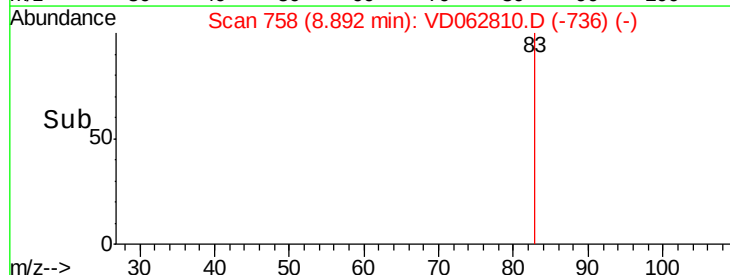
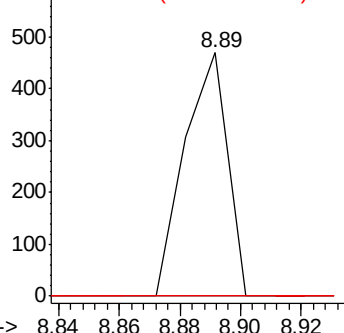


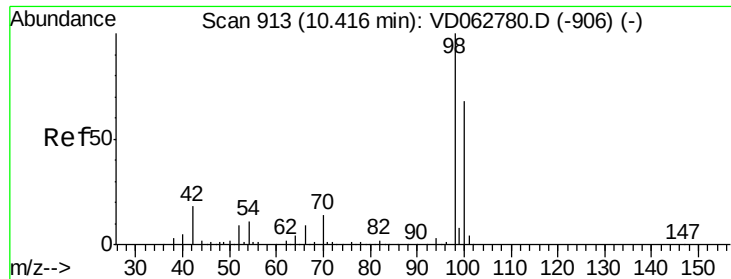
#39
Methylcyclohexane
Concen: 1.297 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

Tgt Ion: 83 Resp: 460
Ion Ratio Lower Upper
83 100
55 0.0 76.6 115.0#
98 0.0 35.7 53.5#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

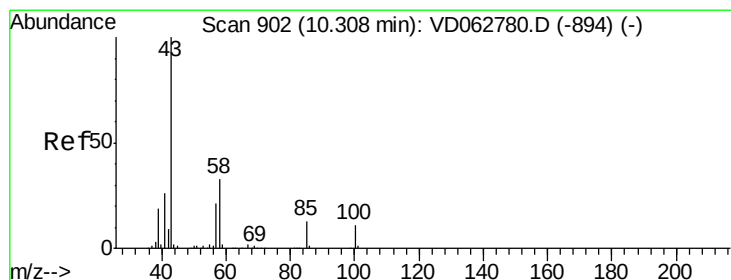
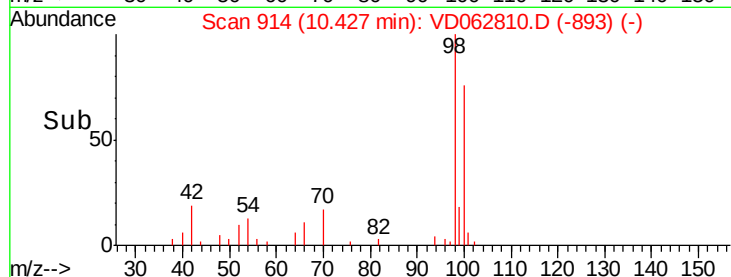
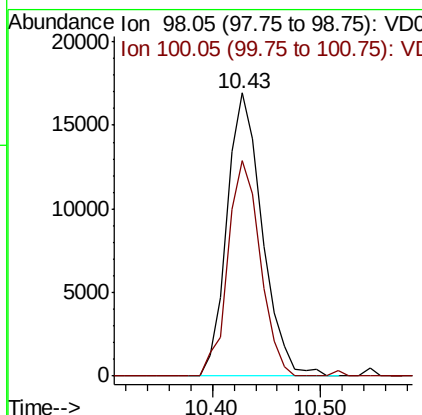
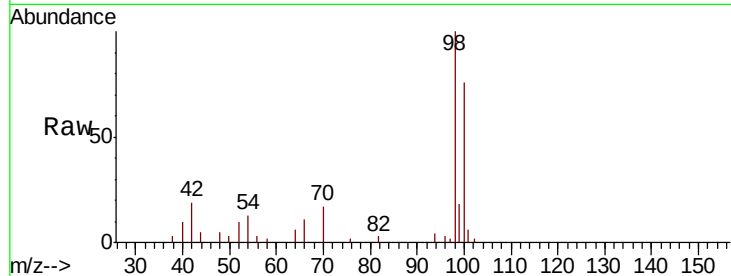




#50
Toluene-d8
Concen: 49.199 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

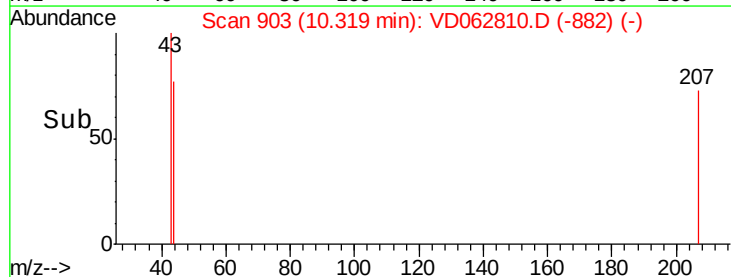
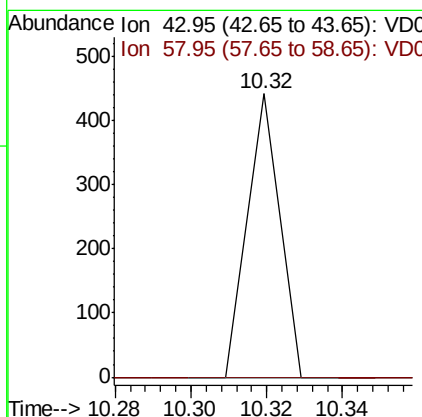
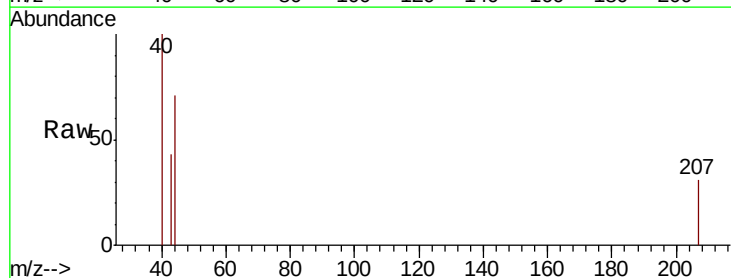
Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-ARE

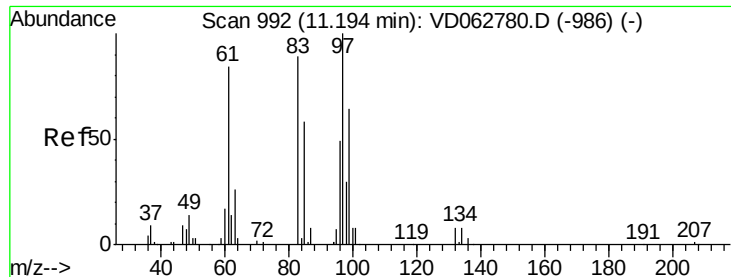
Tot Ion: 98 Resp: 38440
Ion Ratio Lower Upper
98 100
100 76.2 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.742 ug/l
RT: 10.32 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
58 0.0 26.6 40.0#





#55

1,1,2-Trichloroethane

Concen: 1.247 ug/l

RT: 11.21 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

Tot Ion: 97 Resp: 233

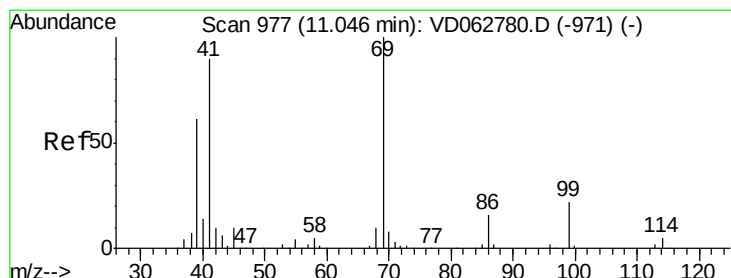
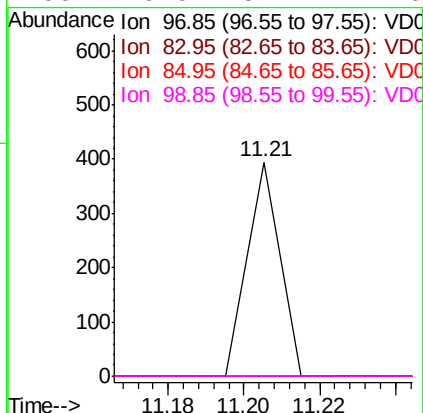
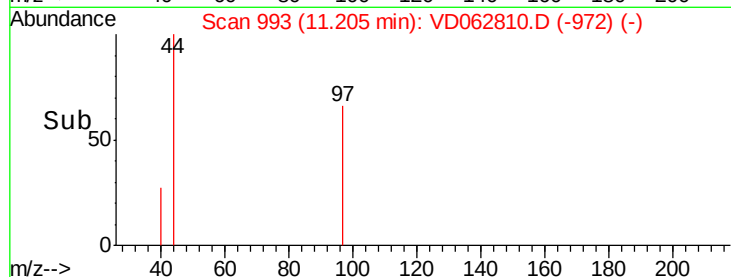
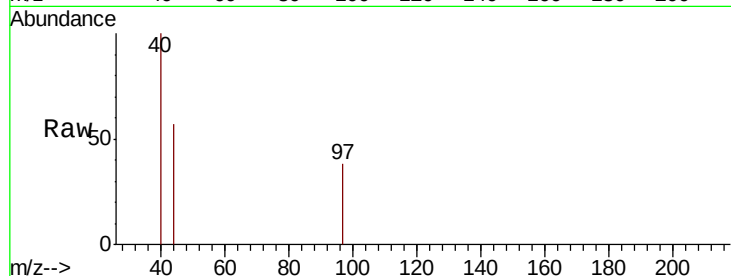
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 0.0 46.6 69.8#

99 0.0 51.4 77.0#



#56

Ethyl methacrylate

Concen: 1.047 ug/l

RT: 11.13 min Scan# 985

Delta R.T. 0.08 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

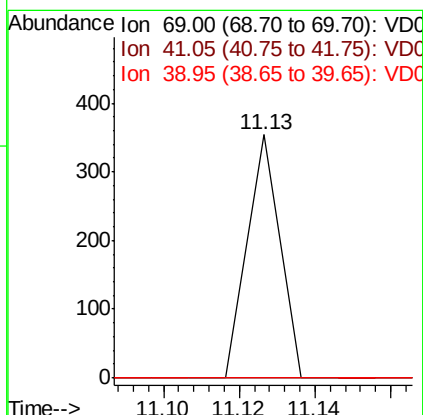
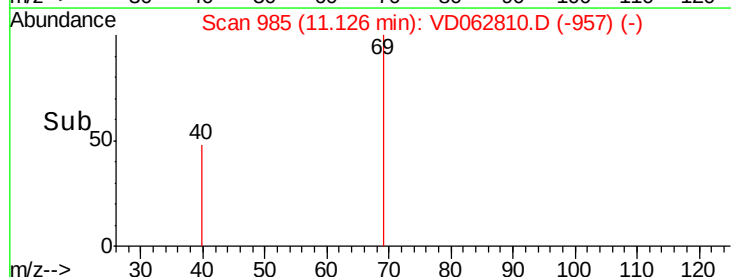
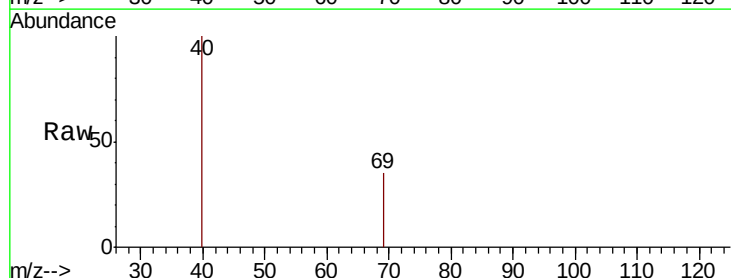
Tgt Ion: 69 Resp: 209

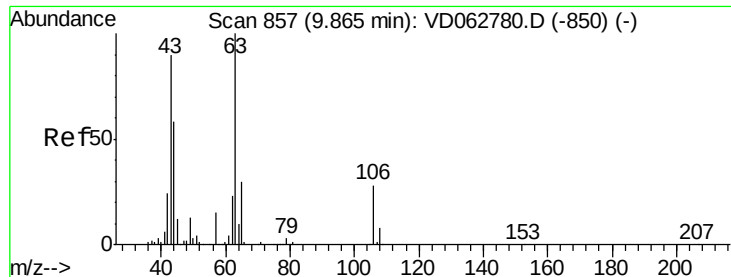
Ion Ratio Lower Upper

69 100

41 0.0 72.0 108.0#

39 0.0 49.5 74.3#

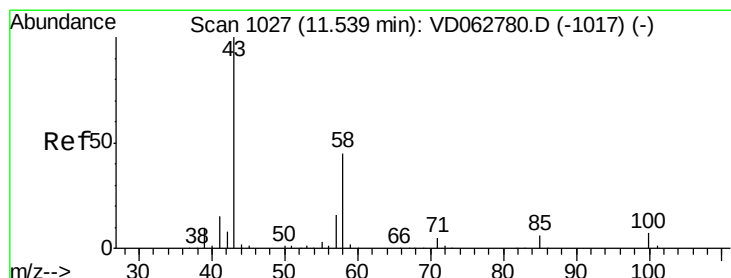
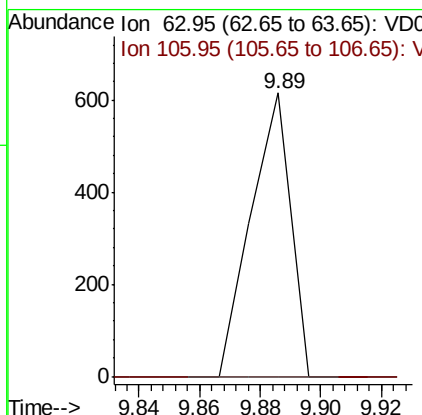
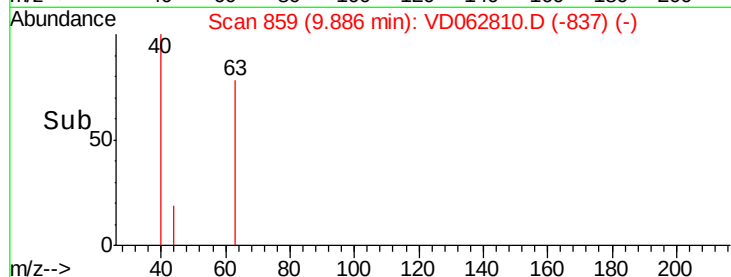
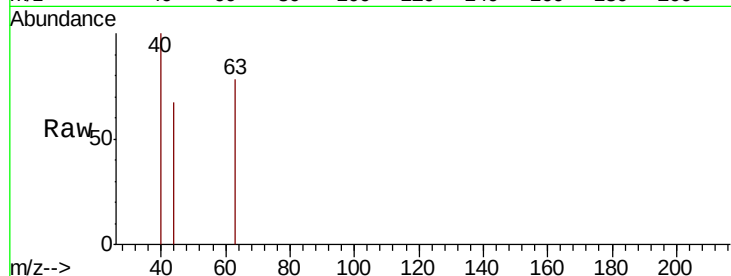




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.463 ug/l
 RT: 9.89 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

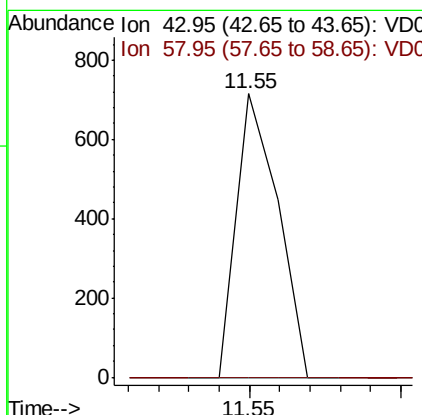
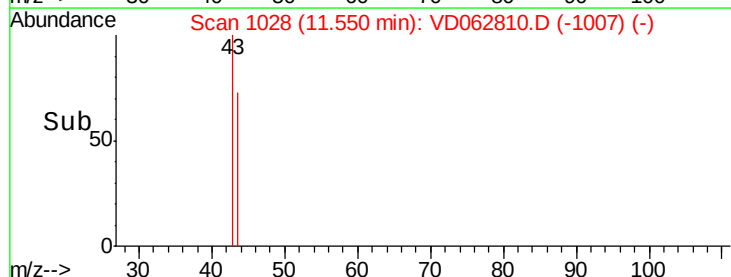
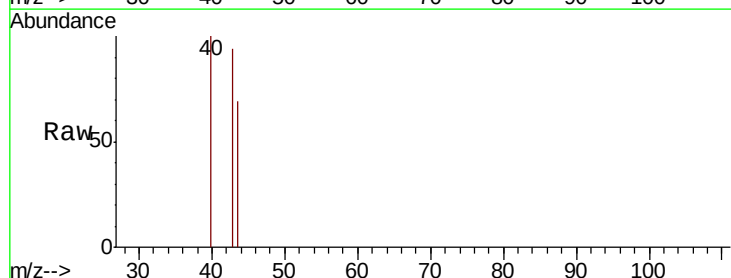
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-ARE

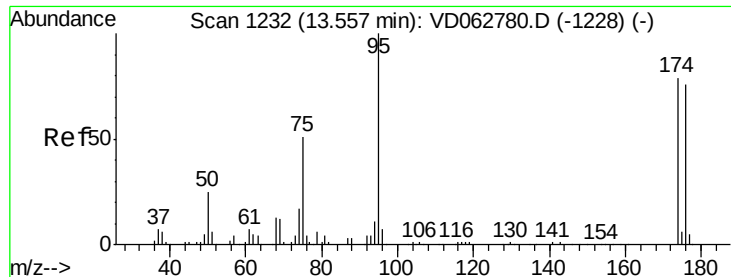
Tot Ion: 63 Resp: 560
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.1 33.1#



#59
 2-Hexanone
 Concen: 6.439 ug/l
 RT: 11.55 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

Tgt Ion: 43 Resp: 687
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.4 67.2#





#62

4-Bromofluorobenzene

Concen: 59.701 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

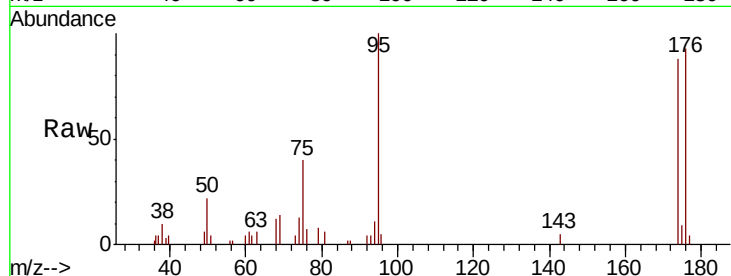
Tot Ion: 95 Resp: 21210

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.0

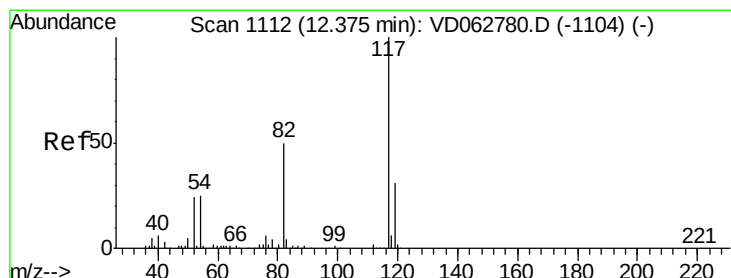
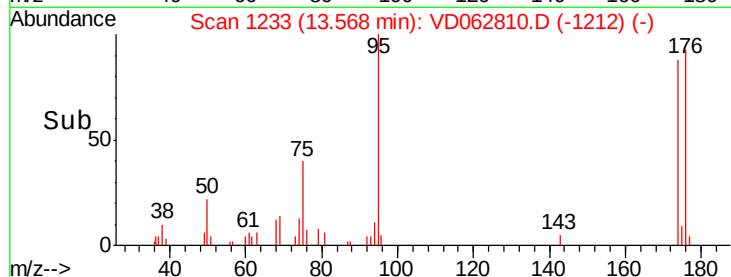
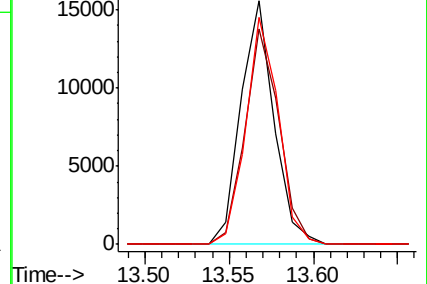
176 89.0 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

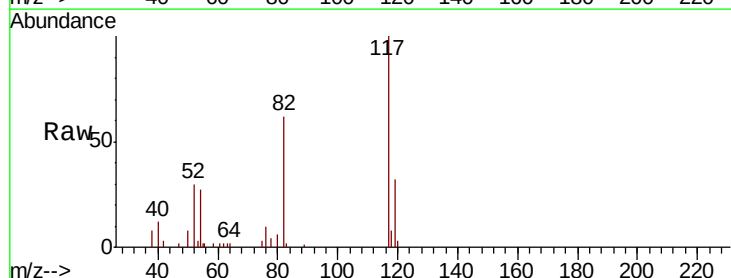
Tgt Ion: 117 Resp: 36819

Ion Ratio Lower Upper

117 100

82 61.6 40.4 60.6#

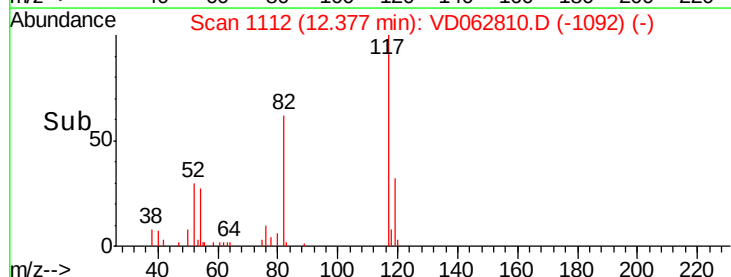
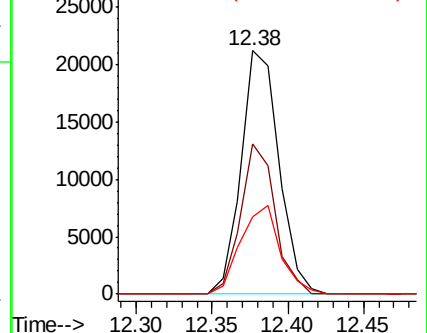
119 31.8 25.2 37.8

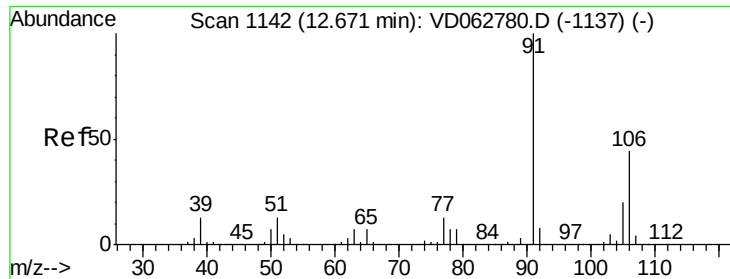


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

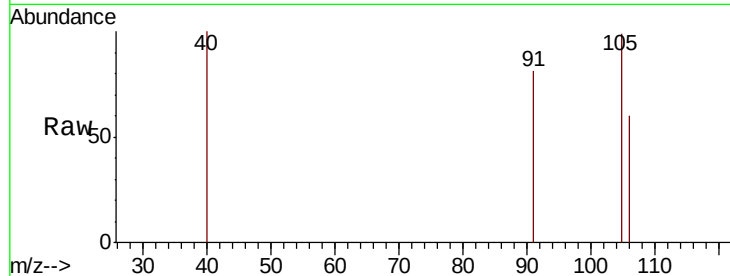




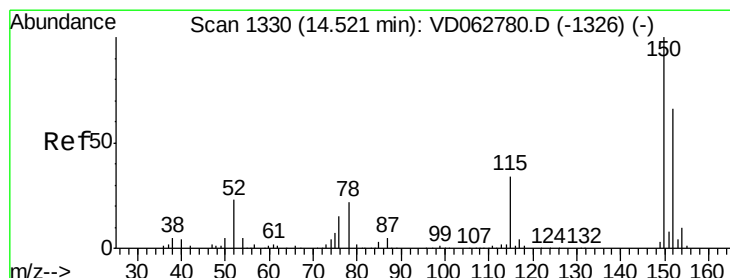
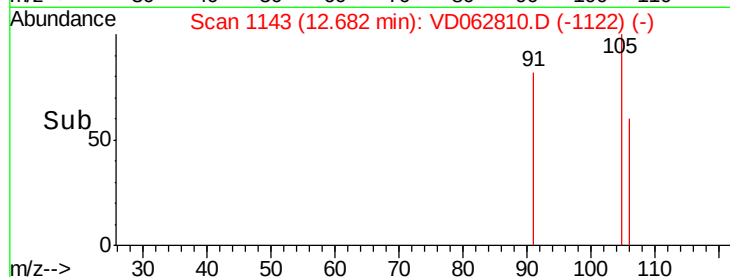
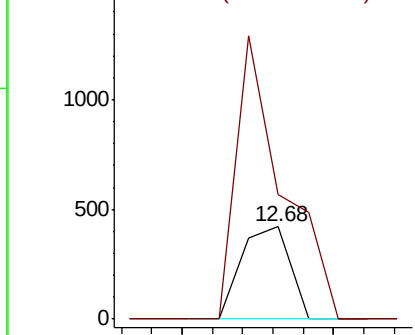
#68
m/p-Xvlenes
Concen: 1.093 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-ARE

Tot Ion:106 Resp: 467
Ion Ratio Lower Upper
106 100
91 135.0 183.0 274.6#

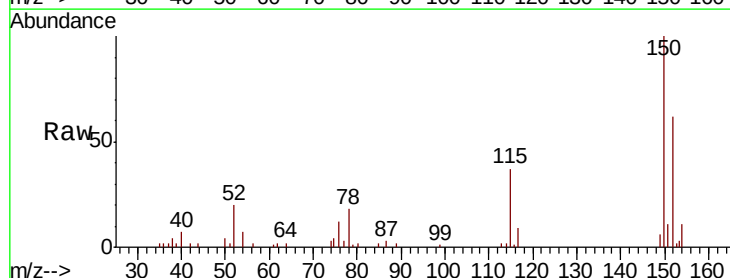


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

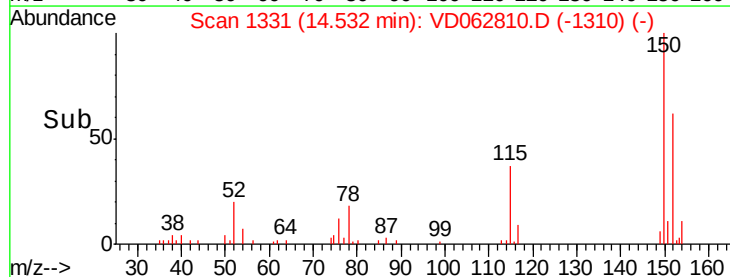
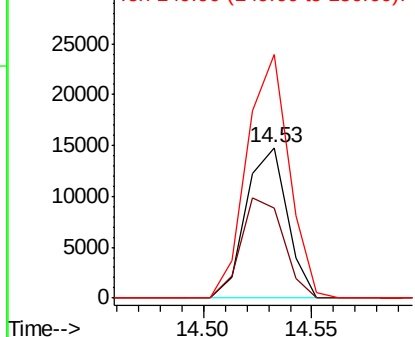


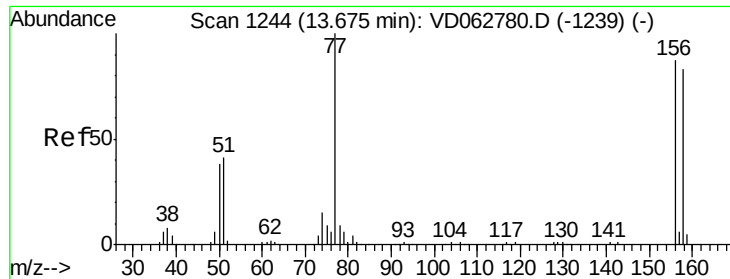
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062810.D
Acq: 21 Jun 2019 12:26

Tgt Ion:152 Resp: 19498
Ion Ratio Lower Upper
152 100
115 59.5 29.2 87.6
150 161.5 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#77

Bromobenzene

Concen: 1.106 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

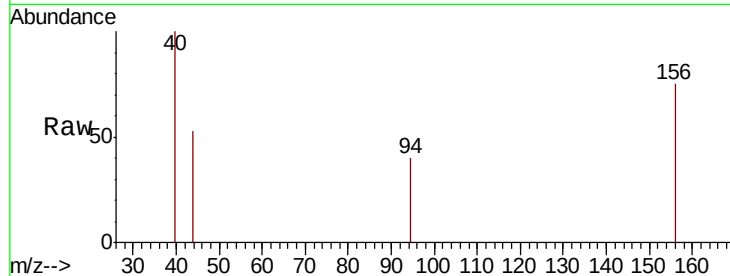
Tot Ion:156 Resp: 372

Ion Ratio Lower Upper

156 100

77 0.0 57.7 173.1#

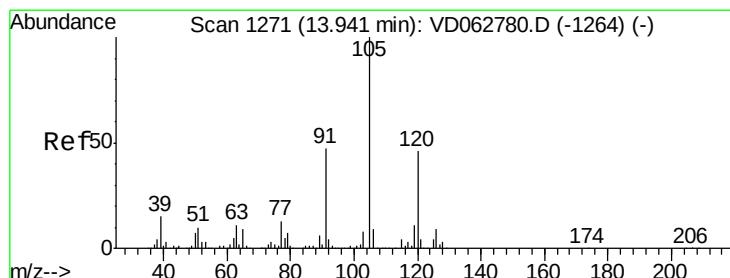
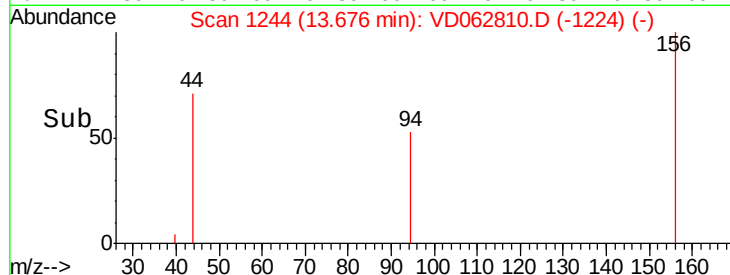
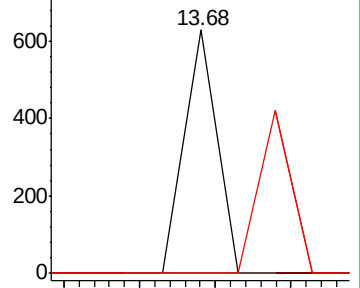
158 0.0 47.7 143.1#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#80

1,3,5-Trimethylbenzene

Concen: 1.225 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062810.D

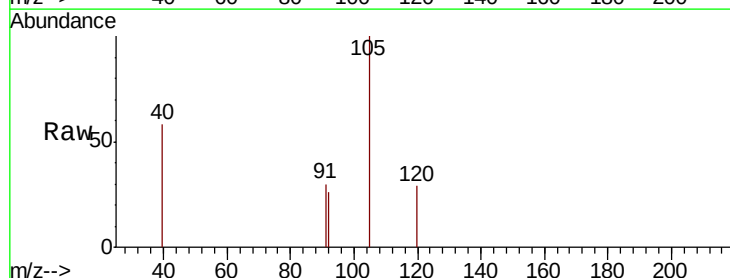
Acq: 21 Jun 2019 12:26

Tgt Ion:105 Resp: 1286

Ion Ratio Lower Upper

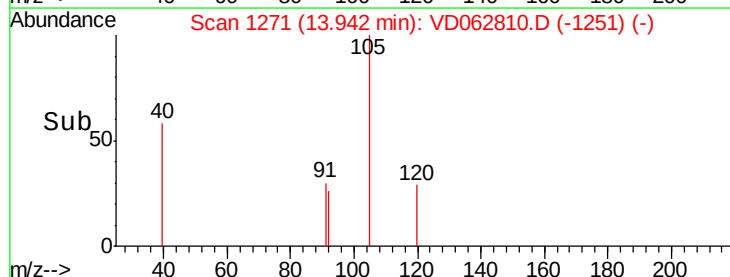
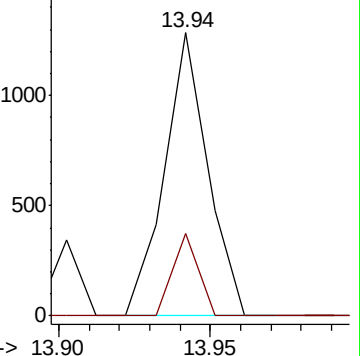
105 100

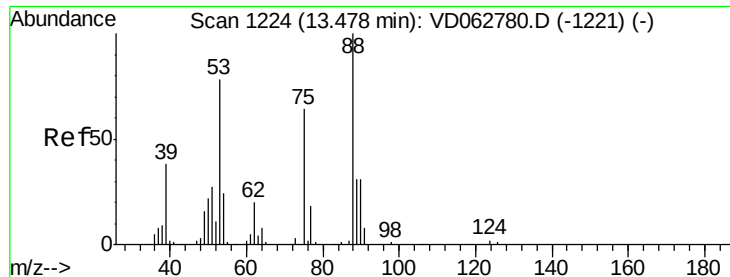
120 28.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 154.748 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

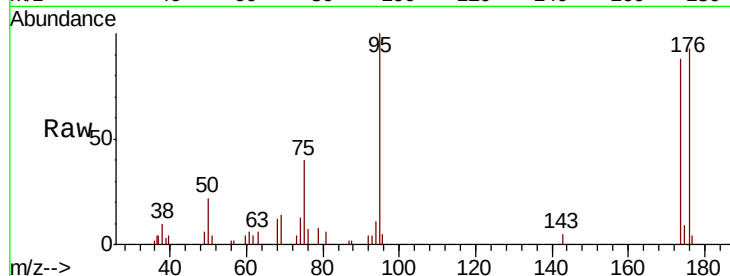
Tot Ion: 75 Resp: 9129

Ion Ratio Lower Upper

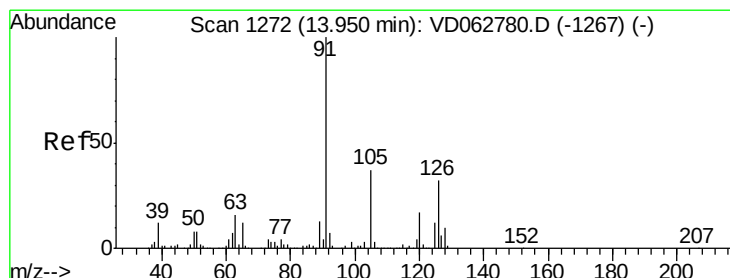
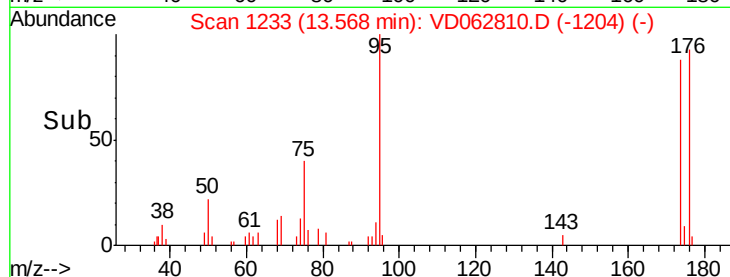
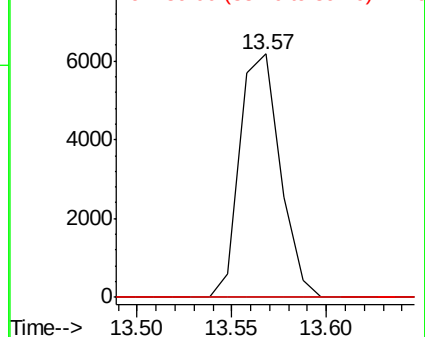
75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.566 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062810.D

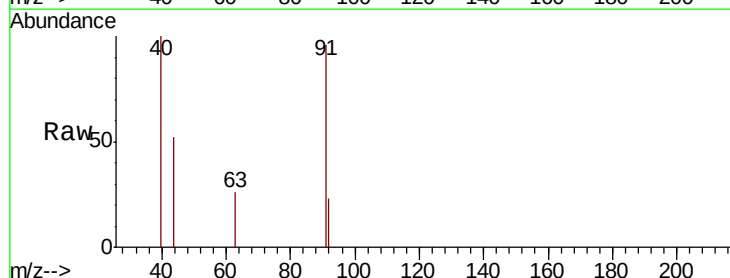
Acq: 21 Jun 2019 12:26

Tgt Ion: 91 Resp: 1568

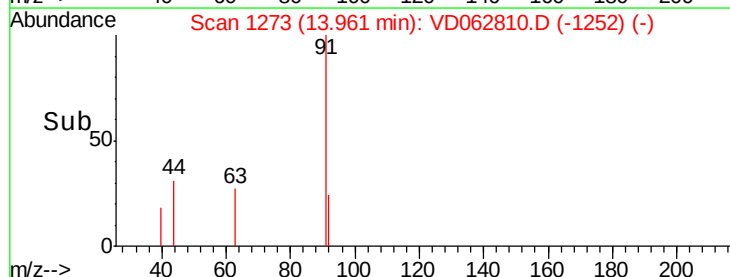
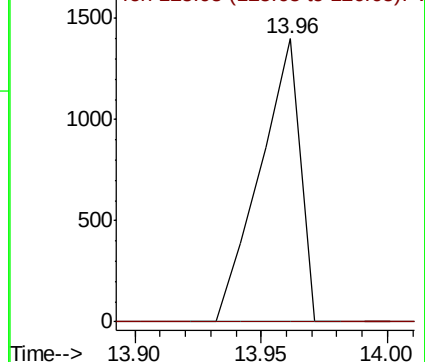
Ion Ratio Lower Upper

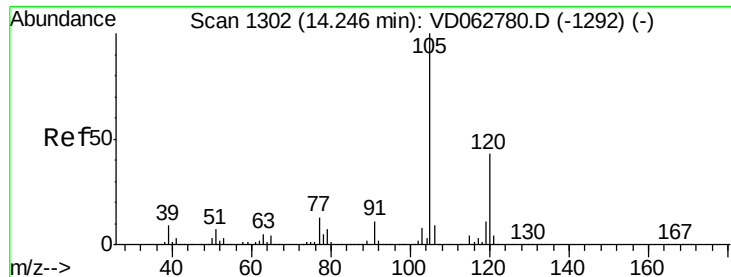
91 100

126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

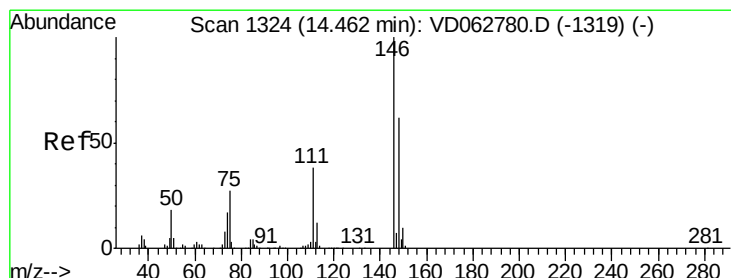
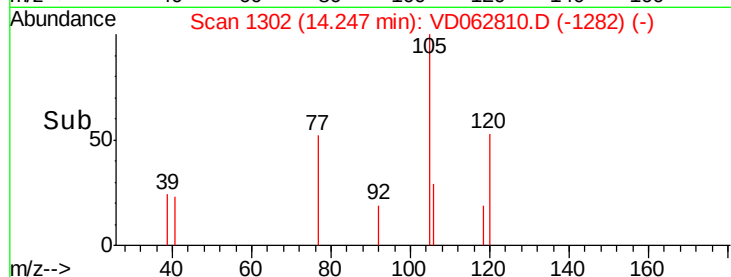
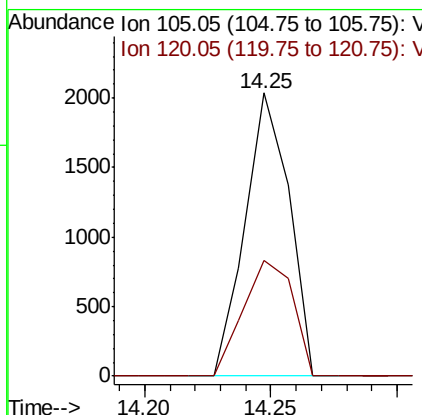
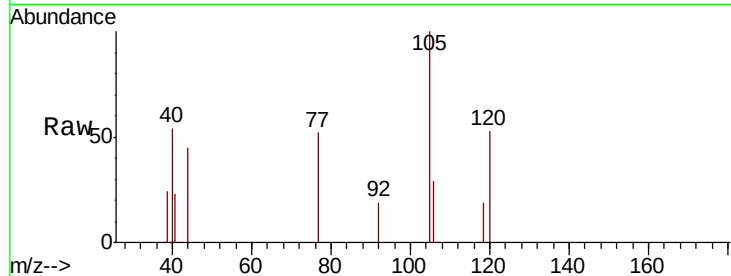




#84
 1,2,4-Trimethylbenzene
 Concen: 2.296 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

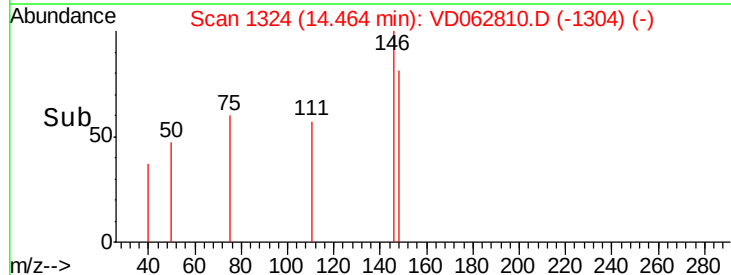
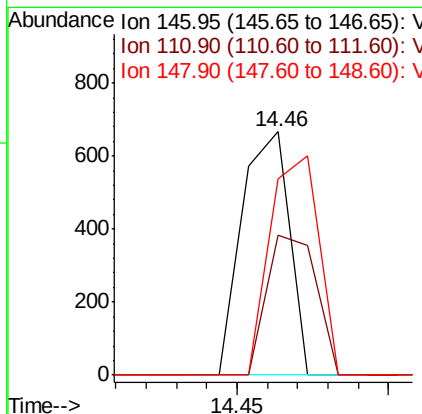
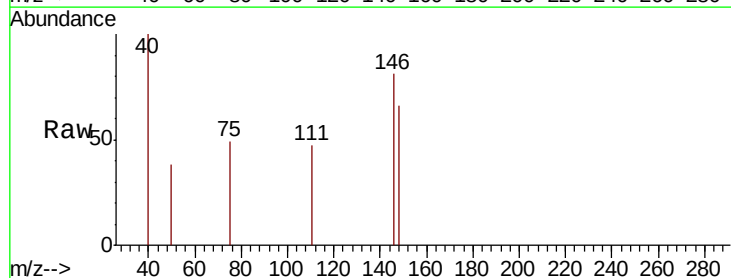
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-ARE

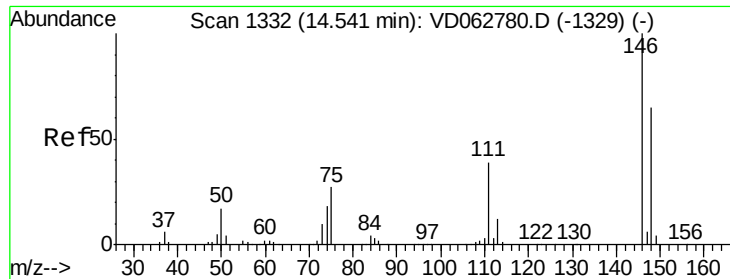
Tot Ion:105 Resp: 2471
 Ion Ratio Lower Upper
 105 100
 120 40.7 21.3 63.9



#87
 1,3-Dichlorobenzene
 Concen: 1.214 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

Tgt Ion:146 Resp: 732
 Ion Ratio Lower Upper
 146 100
 111 57.4 19.0 57.0#
 148 80.8 30.8 92.3

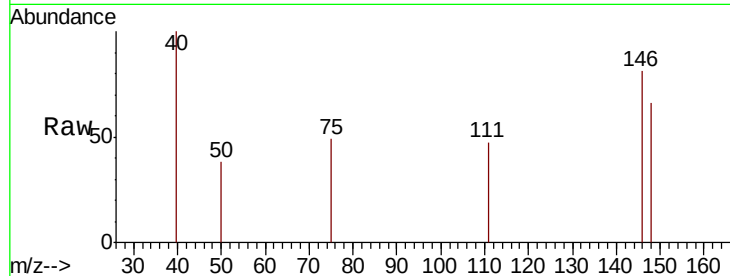




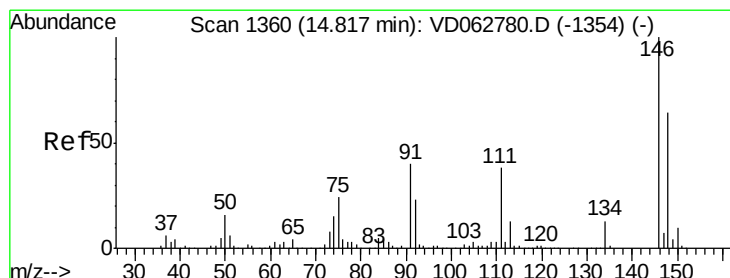
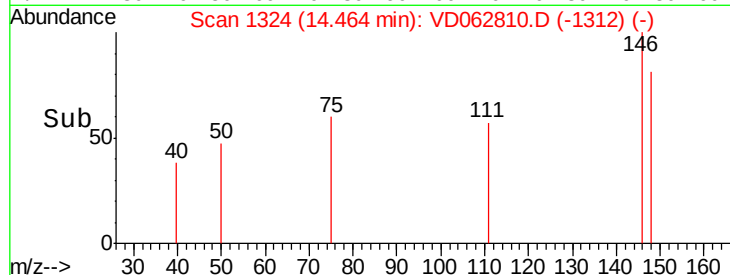
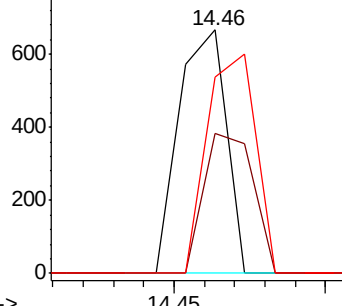
#88
 1,4-Dichlorobenzene
 Concen: 1.209 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.08 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-ARE

Tot Ion:146 Resp: 732
 Ion Ratio Lower Upper
 146 100
 111 57.4 19.7 59.1
 148 80.8 32.8 98.3

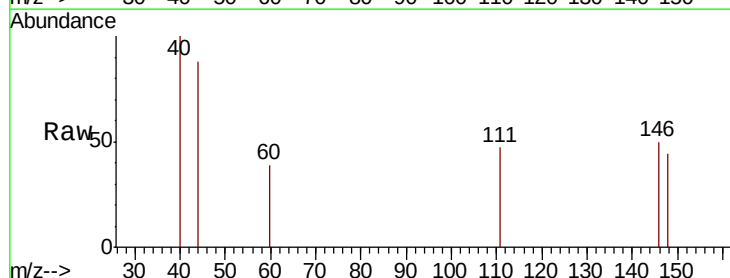


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

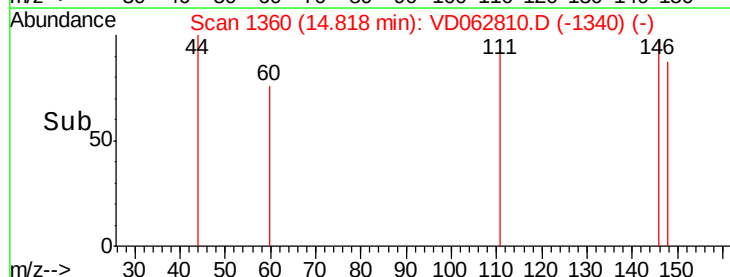
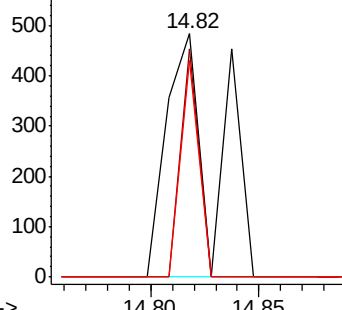


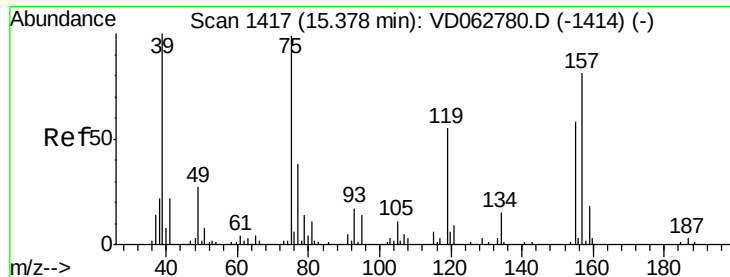
#91
 1,2-Dichlorobenzene
 Concen: 1.485 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062810.D
 Acq: 21 Jun 2019 12:26

Tgt Ion:146 Resp: 766
 Ion Ratio Lower Upper
 146 100
 111 93.8 19.1 57.1#
 148 89.0 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.955 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

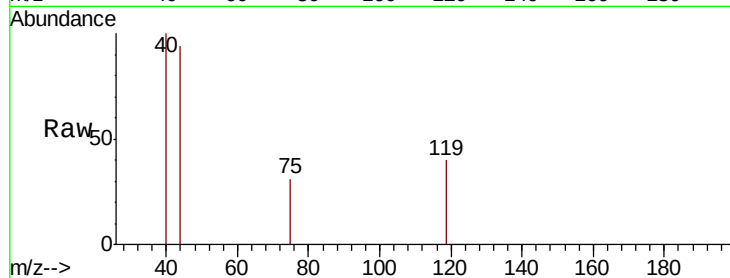
Tot Ion: 75 Resp: 197

Ion Ratio Lower Upper

75 100

155 0.0 29.3 87.8#

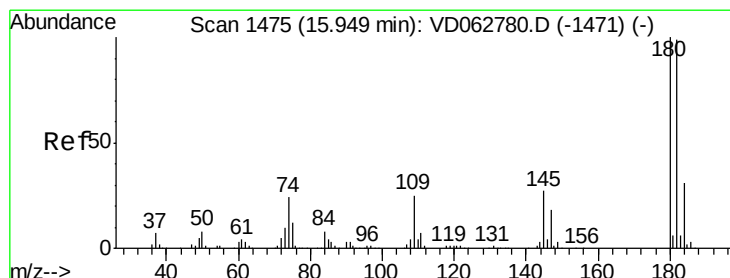
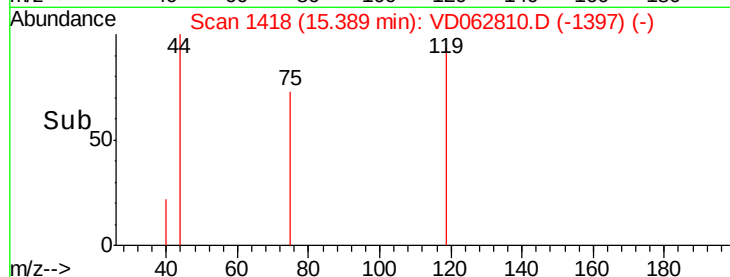
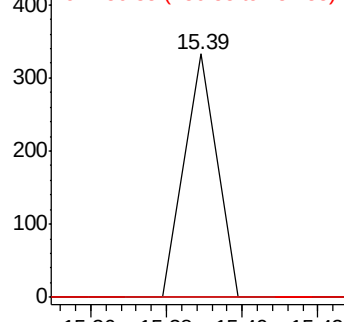
157 0.0 41.3 123.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 3.103 ug/l

RT: 15.96 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

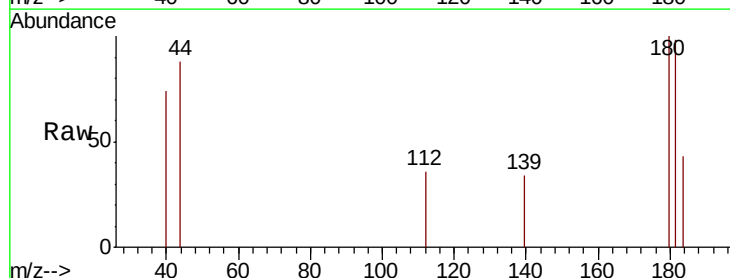
Tgt Ion: 180 Resp: 1250

Ion Ratio Lower Upper

180 100

182 98.1 49.5 148.5

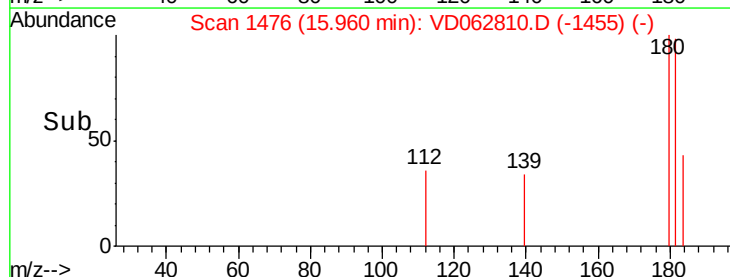
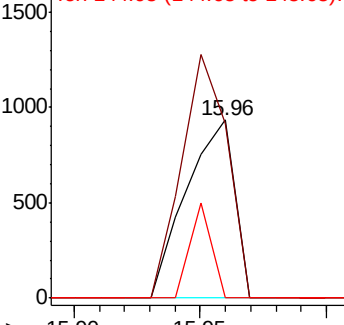
145 0.0 13.7 41.0#

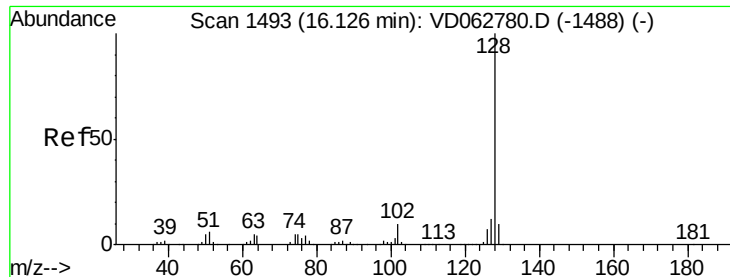


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 7.624 ug/l

RT: 16.14 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-ARE

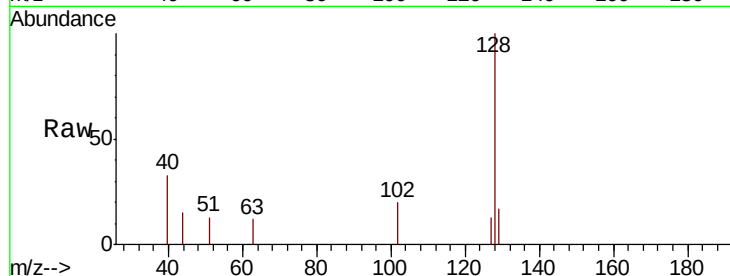
Tot Ion:128 Resp: 4305

Ion Ratio Lower Upper

128 100

127 12.6 9.7 14.5

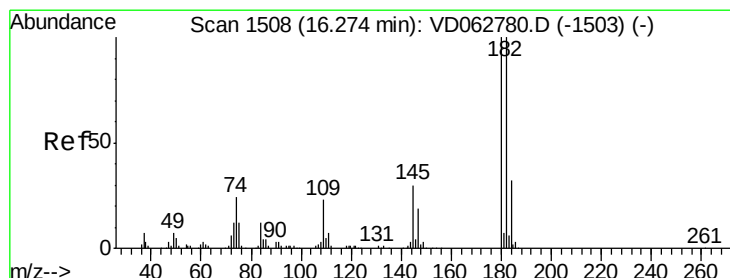
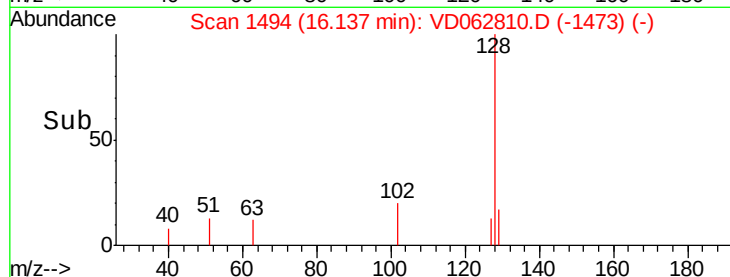
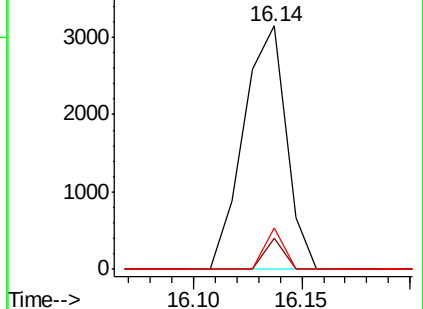
129 17.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.415 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062810.D

Acq: 21 Jun 2019 12:26

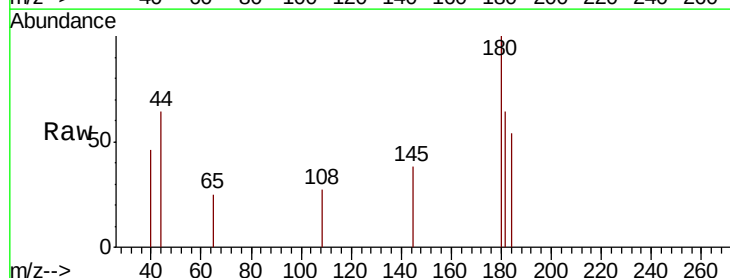
Tgt Ion:180 Resp: 1676

Ion Ratio Lower Upper

180 100

182 63.8 49.9 149.6

145 37.7 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

